

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Huntsman Petrochemical Corporation

AUTHORIZING THE OPERATION OF

A3 Unit/R&S Area/Utilities Area  
Industrial Organic Chemicals

LOCATED AT

Jefferson County, Texas

Latitude 29° 58' 05" Longitude 093° 55' 35"

Regulated Entity Number: RN100219252

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O2288 Issuance Date: 09/27/2010

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For the Commission

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## **GENERAL TERMS AND CONDITIONS**

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five-year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **SPECIAL TERMS AND CONDITIONS:**

### **Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting:**

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. Emission units subject to 40 CFR Part 63, Subpart F as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.110 which incorporates the 40 CFR Part 63 Subpart by reference.
  - E. Emission units subject to 40 CFR Part 63, Subpart G as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.120 which incorporates the 40 CFR Part 63 Subpart by reference.
  - F. Emission units subject to 40 CFR Part 63, Subpart H as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.130 which incorporates the 40 CFR Part 63 Subpart by reference.
  - G. Emission units subject to 40 CFR Part 63, Subpart YY as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.560 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

- H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. For stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed on or before January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 111.111(a)(1)(A) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
    - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(A), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that do not emit visible emissions such as vents that emit only VOC or vents that provide passive ventilation, such as plumbing vents; or vents that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(A) and Compliance Assurance Monitoring, as specified in the attached Applicable Requirements Summary and “Additional Monitoring Requirements.”
      - (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
      - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(A).
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.
- B. For stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, the permit holder shall comply with the following requirements:
  - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
  - (ii) Title 30 TAC § 111.111(a)(1)(E)
  - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
  - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that do not emit visible emissions such as vents that emit only VOC or vents that provide passive ventilation, such as plumbing vents; or vents that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) and Compliance Assurance Monitoring, as specified in the attached “Applicable Requirements Summary” and “Additional Monitoring Requirements.”
    - (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
    - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
    - (3) Records of all observations shall be maintained.

- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
  - (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement



even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

- C. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
  - (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
  - (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
    - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
    - (2) Records of all observations shall be maintained.
    - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A

certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- F. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
  - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

- (ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)
  - (iii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)
  - (iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: “Storage of Volatile Organic Compounds,” the permit holder shall comply with the requirements of 30 TAC § 115.112(a)(1).
- 5. For industrial wastewater specified in 30 TAC Chapter 115, Subchapter B, the permit holder shall comply with the following requirements for wastewater drains, junction boxes, lift stations and weirs:
  - A. Title 30 TAC § 115.142 (relating to Control Requirements)
  - B. Title 30 TAC § 115.142(1)(A) - (D) (relating to Control Requirements)
  - C. Title 30 TAC § 115.142(1)(E) and (F) (relating to Control Requirements)
  - D. Title 30 TAC § 115.145 (relating to Approved Test Methods)
  - E. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)
  - F. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)
- 6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
    - (i) Title 30 TAC § 115.222(7) (relating to Control Requirements)
    - (ii) Title 30 TAC § 115.222(3), as it applies to liquid gasoline leaks
    - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks
    - (iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)

- B. The permit holder shall comply with the annual reporting requirements under 30 TAC § 115.247(2) for motor vehicle fuel dispensing facilities exempt from Stage II.
7. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements:
- A. For degassing or cleaning of stationary VOC storage vessels subject to 30 TAC Chapter 115, Subchapter F, Division 3: Degassing or Cleaning of Stationary, Marine, and Transport Vessels, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 115.541(a)(1) (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.542(a) (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.543 (relating to Alternate Control Requirements)
    - (iv) Title 30 TAC § 115.544 (relating to Inspection Requirements)
    - (v) Title 30 TAC § 115.545(1) - (9) (relating to Approved Test Methods)
    - (vi) Title 30 TAC § 115.546 (relating to Monitoring and Recordkeeping Requirements)
    - (vii) Title 30 TAC § 115.547(3) (relating to Exemptions)
  - B. For the degassing or cleaning of all transport vessels with a nominal capacity of 8,000 gallons or more, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 115.541(a)(2) (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.542(a) (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.543 (relating to Alternate Control Requirements)
    - (iv) Title 30 TAC § 115.544 (relating to Inspection Requirements)
    - (v) Title 30 TAC § 115.545(1) - (9) (relating to Approved Test Methods)
    - (vi) Title 30 TAC § 115.546 (relating to Monitoring and Recordkeeping Requirements)
8. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

- B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
9. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
  - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
  - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
  - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
  - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
  - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
  - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
  - H. Title 40 CFR § 61.15 (relating to Modification)
  - I. Title 40 CFR § 61.19 (relating to Circumvention)
10. For the National Emissions Standards for Asbestos specified in 40 CFR Part 61, Subpart M, the permit holder shall comply with the following requirements:
- A. For insulating materials other than spray-applied: Title 40 CFR § 61.148 (relating to Standards for Insulating Materials), for installation and reinstallation of asbestos-containing insulation).
11. For facilities where total annual benzene quantity from waste is greater than or equal to 10 mega-grams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
  - B. Title 40 CFR § 61.342(c)(2) (relating to Standards: General)
  - C. For exempting waste streams:
    - (i) Title 40 CFR § 61.342(c)(3)(i) (relating to Standards: General)
    - (ii) Title 40 CFR § 61.342(c)(3)(ii)(A) - (C) (relating to Standards: General)
  - D. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)
  - E. Title 40 CFR § 61.342(g) (relating to Standards: General)
  - F. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
  - G. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)
  - H. Title 40 CFR § 61.355(j) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
  - I. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
  - J. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
  - K. Title 40 CFR § 61.356(b)(2)(i) - (ii) (relating to Recordkeeping Requirements)
  - L. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
  - M. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)
  - N. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
  - O. Title 40 CFR § 61.357(d)(3) (relating to Reporting Requirements)
  - P. Waste generated by remediation activities at these facilities are subject to the requirements identified under 40 CFR § 61.342 for treatment and management of waste
12. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
  - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)

- C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
13. For facilities with individual drain systems subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.346(a)(1)(i)(A), (B), (ii), (2), and (3) (relating to Standards: Individual Drain Systems)
  - B. Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)
  - C. Title 40 CFR § 61.346(b)(2)(ii)(A) (relating to Standards: Individual Drain Systems), for junction boxes
  - D. Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes
  - E. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
  - F. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - G. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
14. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
15. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 1 or Group 2 wastewater streams that are also subject to 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
- A. Title 40 CFR § 63.110(e)(1) (relating to Applicability), for 40 CFR Part 63, Subpart G applicability to Group 1 or 2 Wastewater Streams
16. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 2 wastewater stream, the permit holder shall comply with (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
- A. Title 40 CFR § 63.132(a), (a)(1), (a)(1)(i), and (a)(3) (relating to Process Wastewater Provisions - General)
17. For the chemical manufacturing facilities subject to leak detection requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):

A. General Leak Detection Requirements:

- (i) Title 40 CFR § 63.148(d)(1) - (3), and (e) (relating to Leak Inspection Provisions)
- (ii) Title 40 CFR § 63.148(c), (g), (g)(2), (h), and (h)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements
- (iii) Title 40 CFR §§ 63.148(g)(2), (h)(2), (i)(1) - (2), (i)(4)(i) - (viii), (i)(5), and 63.152(a)(1) - (5), for recordkeeping requirements
- (iv) Title 40 CFR §§ 63.148(j), 63.151(a)(6)(i) - (iii), (b)(1) - (2), (j)(1) - (3), 63.152(a)(1) - (5), (b), (b)(1)(i) - (ii), and (b)(4), for reporting requirements

B. For closed vent system or vapor collection systems constructed of hard piping:

- (i) Title 40 CFR § 63.148(b)(1)(ii) (relating to Leak Inspection Provisions), for monitoring and testing requirements
- (ii) Title 40 CFR § 63.148(i)(6) (relating to Leak Inspection Provisions), for recordkeeping requirements

C. For facilities not operating flow indicators:

- (i) Title 40 CFR § 63.148(f)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements
- (ii) Title 40 CFR § 63.148(i)(3)(ii) (relating to Leak Inspection Provisions), for recordkeeping requirements
- (iii) Title 40 CFR § 63.148(j)(3) (relating to Leak Inspection Provisions), for reporting requirements

**Additional Monitoring Requirements**

18. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).



## **New Source Review Authorization Requirements**

19. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
  - A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
20. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
21. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, material safety data sheets (MSDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144.
  - A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
  - B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

## **Compliance Requirements**

22. The permit holder shall certify compliance with all permit terms and conditions using, at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

23. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
- A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
    - (i) For sources in the Beaumont-Port Arthur Nonattainment area, 30 TAC § 117.9000
  - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.150(c) and (c)(1).
24. Use of Emission Credits to comply with applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
    - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
    - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
25. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117

- (iii) If applicable, offsets for Title 30 TAC Chapter 116
  - (iv) Temporarily exceed state NSR permit allowables
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
  - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
  - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
  - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
  - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

### **Risk Management Plan**

- 26. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

### **Protection of Stratospheric Ozone**

- 27. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.
  - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
  - B. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

## **Permit Location**

28. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

## **Permit Shield (30 TAC § 122.148)**

29. A permit shield is granted for the emission units, groups, or processes specified in the attached “Permit Shield.” Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment “Permit Shield.” Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **ATTACHMENTS**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

### **Applicable Requirements Summary**

<b>Unit Summary .....</b>	<b>21</b>
<b>Applicable Requirements Summary .....</b>	<b>32</b>

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
A3HA35	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7ICI-606	30 TAC Chapter 117, Subchapter B	No changing attributes.
UEHK10	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7ICI-607	30 TAC Chapter 117, Subchapter B	No changing attributes.
UEHK10	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-005	40 CFR Part 60, Subpart Db	No changing attributes.
UEHK11	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-002x	40 CFR Part 60, Subpart Db	No changing attributes.
UEHK9	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7ICI-607	30 TAC Chapter 117, Subchapter B	No changing attributes.
UEHK9	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-005	40 CFR Part 60, Subpart Db	No changing attributes.
PRORSHON	CHEMICAL MANUFACTURING PROCESS	N/A	63F-002	40 CFR Part 63, Subpart F	No changing attributes.
A3WASTE	CLOSED VENT SYSTEM AND CONTROL DEVICE	N/A	63YY-W	40 CFR Part 63, Subpart YY	No changing attributes.
A3FA3103	DISTILLATION OPERATIONS	N/A	60NNN-047	40 CFR Part 60, Subpart NNN	SUBPART NNN CONTROL DEV = BOILER/PROCESS HEATER < 44 MW

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
A3FA3103	DISTILLATION OPERATIONS	N/A	60NNN-048	40 CFR Part 60, Subpart NNN	SUBPART NNN CONTROL DEV = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW
A3FA3103	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-3	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A3FA3205A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-6	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A3FA3205B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-6	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A3FA357	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-6	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A3FO11	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-6	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
UER037	FLARES	N/A	R1111-002	30 TAC Chapter 111, Visible Emissions	No changing attributes.
UER037	FLARES	N/A	60A-003	40 CFR Part 60, Subpart A	No changing attributes.
UER044	FLARES	N/A	R1111-002	30 TAC Chapter 111,	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
				Visible Emissions	
UER044	FLARES	N/A	60A-003	40 CFR Part 60, Subpart A	No changing attributes.
UER046	FLARES	N/A	R1111-002	30 TAC Chapter 111, Visible Emissions	No changing attributes.
UER046	FLARES	N/A	60A-003	40 CFR Part 60, Subpart A	No changing attributes.
A3FUG	FUGITIVE EMISSION UNITS	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
A3FUG	FUGITIVE EMISSION UNITS	N/A	60VV-ALL	40 CFR Part 60, Subpart VV	No changing attributes.
A3FUG	FUGITIVE EMISSION UNITS	N/A	61V-ALL	40 CFR Part 61, Subpart V	No changing attributes.
A3FUG	FUGITIVE EMISSION UNITS	N/A	63YY-F	40 CFR Part 63, Subpart YY	No changing attributes.
RSETFUG	FUGITIVE EMISSION UNITS	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
RSETFUG	FUGITIVE EMISSION UNITS	N/A	61V-ALL	40 CFR Part 61, Subpart V	No changing attributes.
RSETFUG	FUGITIVE EMISSION UNITS	N/A	63H-ALL	40 CFR Part 63, Subpart H	No changing attributes.
CT-1	INDUSTRIAL PROCESS COOLING TOWERS	N/A	63YY-H	40 CFR Part 63, Subpart YY	No changing attributes.
CT-4	INDUSTRIAL PROCESS COOLING TOWERS	N/A	63YY-H	40 CFR Part 63, Subpart YY	No changing attributes.
RSELRTRKW	LOADING/UNLOADING	N/A	R5211-00c	30 TAC Chapter 115,	TRUE VAPOR PRESSURE = TVP

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	OPERATIONS			Loading and Unloading of VOC	GREATER THAN OR EQUAL TO 0.5 PSIA (BEAUMONT/PORT ARTHUR DALLAS/FORT WORTH EL PASO HOUSTON/GALVESTON AREAS), DAILY THROUGHPUT = LOADING GREATER THAN OR EQUAL TO 20,000 GALLONS PER DAY, CHPTR 115 CNTRL DEV TYPE = NO CONTROL DEVICE, CONTROL OPTIONS = VAPOR BALANCE SYSTEM, VAPOR TIGHT = NOT ALL LIQUID AND VAPOR LINES FOR THIS TRANSFER OPERATION ARE EQUIPPED WITH FITTINGS WHICH MAKE VAPOR-TIGHT CONNECTIONS THAT CLOSE AUTOMATICALLY WHEN DISCONNECTED
RSELRTRKW	LOADING/UNLOADING OPERATIONS	N/A	R5211-018	30 TAC Chapter 115, Loading and Unloading of VOC	TRUE VAPOR PRESSURE = TVP LESS THAN 0.5 PSIA (BEAUMONT/PORT ARTHUR DALLAS/FORT WORTH EL PASO HOUSTON/GALVESTON AREAS)
RSELRTRKW	LOADING/UNLOADING OPERATIONS	N/A	63GL-0g2a	40 CFR Part 63, Subpart G	No changing attributes.
RSELRTRKW	LOADING/UNLOADING OPERATIONS	N/A	63YY-L	40 CFR Part 63, Subpart YY	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
RSELRVNTTW	LOADING/UNLOADING OPERATIONS	N/A	R5211-018	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPA3PH1	PROCESS HEATERS/FURNACES	A3HA31A, A3HA31B, A3HA31C, A3HA31D, A3HA31E, A3HA31F, A3HA31G, A3HA31H, A3HA31J	R7ICI-503	30 TAC Chapter 117, Subchapter B	No changing attributes.
A3CA31A	STATIONARY TURBINES	N/A	R7ICI1101X	30 TAC Chapter 117, Subchapter B	No changing attributes.
A3CA31A	STATIONARY TURBINES	N/A	60GG-005Y	40 CFR Part 60, Subpart GG	No changing attributes.
CG1	STATIONARY TURBINES	N/A	R7ICI1102X	30 TAC Chapter 117, Subchapter B	No changing attributes.
CG1	STATIONARY TURBINES	N/A	60GG-006	40 CFR Part 60, Subpart GG	No changing attributes.
CG2	STATIONARY TURBINES	N/A	R7ICI1102X	30 TAC Chapter 117, Subchapter B	No changing attributes.
CG2	STATIONARY TURBINES	N/A	60GG-006	40 CFR Part 60, Subpart GG	No changing attributes.
A3TA339	STORAGE TANKS/VESSELS	N/A	R5112-005	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
RSET010	STORAGE TANKS/VESSELS	N/A	R5112-062	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
RSET010	STORAGE TANKS/VESSELS	N/A	63GT-036	40 CFR Part 63, Subpart G	No changing attributes.
RSET0126	STORAGE TANKS/VESSELS	N/A	R5112-052	30 TAC Chapter 115, Storage of VOCs	CONTROL DEVICE TYPE = Flare
RSET0126	STORAGE TANKS/VESSELS	N/A	R5112-055	30 TAC Chapter 115, Storage of VOCs	CONTROL DEVICE TYPE = Other vapor recovery unit
RSET0126	STORAGE TANKS/VESSELS	N/A	61FF-T02a	40 CFR Part 61, Subpart FF	BY-PASS LINE = The closed vent system contains any by-pass line that could divert the vent stream away from the control device., BY-PASS LINE VALVE = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position., CONTROL DEV TYPE/OPNS = Flare
RSET0126	STORAGE TANKS/VESSELS	N/A	61FF-T03a	40 CFR Part 61, Subpart FF	CARBON REPLACEMENT INT = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough., ALT MONITORING PARAMETERS = Alternate monitoring parameters not requested, BY-PASS LINE = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device., ENGINEERING CALCULATIONS = Engineering

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					calculations show that the control device is proven to achieve its emission limitation., CONTROL DEV TYPE/OPNS = Carbon adsorption system that does not regenerate the carbon bed directly in the control device
RSET0126	STORAGE TANKS/VESSELS	N/A	63YY-T	40 CFR Part 63, Subpart YY	No changing attributes.
RSET0127	STORAGE TANKS/VESSELS	N/A	R5112-052	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
RSET0127	STORAGE TANKS/VESSELS	N/A	61FF-T02a	40 CFR Part 61, Subpart FF	No changing attributes.
RSET0127	STORAGE TANKS/VESSELS	N/A	63YY-T	40 CFR Part 63, Subpart YY	No changing attributes.
RSET0180	STORAGE TANKS/VESSELS	N/A	R5112-062	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
RSET0180	STORAGE TANKS/VESSELS	N/A	63GT-036	40 CFR Part 63, Subpart G	No changing attributes.
RSET0204	STORAGE TANKS/VESSELS	N/A	R5112-062	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
RSET0204	STORAGE TANKS/VESSELS	N/A	63GT-036	40 CFR Part 63, Subpart G	No changing attributes.
RSET030	STORAGE TANKS/VESSELS	N/A	R5112-062	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
RSET030	STORAGE TANKS/VESSELS	N/A	63GT-036	40 CFR Part 63, Subpart G	No changing attributes.
RSET087	STORAGE TANKS/VESSELS	N/A	R5112-052	30 TAC Chapter 115, Storage of VOCs	TANK DESCRIPTION = Tank using a vapor recovery system (VRS), CONTROL DEVICE TYPE = Flare
RSET087	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	TANK DESCRIPTION = Tank using an internal floating roof (IFR)
RSET087	STORAGE TANKS/VESSELS	N/A	60Kb-33	40 CFR Part 60, Subpart Kb	STORAGE VESSEL DESCRIPT = Fixed roof with an internal floating roof using a mechanical shoe seal
RSET087	STORAGE TANKS/VESSELS	N/A	60Kb-36	40 CFR Part 60, Subpart Kb	STORAGE VESSEL DESCRIPT = Closed vent system (CVS) with a flare used as the control device (fixed roof)
RSET087	STORAGE TANKS/VESSELS	N/A	61FF-T02a	40 CFR Part 61, Subpart FF	TANK CONTROL REQUIREMENTS = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device., FUEL GAS SYSTEM = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system., ALT STANDARDS FOR TANKS = The tank is not complying with the alternative standards in 40 CFR § 61.351., ALT MEANS OF COMPLIANCE = Not using an alternate means of compliance to

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					meet the requirements of 40 CFR § 61.343 for tanks., COVER & CLOSED VENT = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3)., BY-PASS LINE = The closed vent system contains any by-pass line that could divert the vent stream away from the control device., BY-PASS LINE VALVE = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position., CONTROL DEV TYPE/OPNS = Flare
RSET087	STORAGE TANKS/VESSELS	N/A	61FF-T04a	40 CFR Part 61, Subpart FF	KB TANK TYPE = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1), SEAL TYPE = Mechanical shoe seal, ALT STANDARDS FOR TANKS = The tank is complying with the alternative standards in 40 CFR § 61.351.
RSET087	STORAGE TANKS/VESSELS	N/A	63YY-T	40 CFR Part 63, Subpart YY	No changing attributes.
RSET088	STORAGE TANKS/VESSELS	N/A	R5112-052	30 TAC Chapter 115, Storage of VOCs	TANK DESCRIPTION = Tank using a vapor recovery system

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					(VRS), CONTROL DEVICE TYPE = Flare
RSET088	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	TANK DESCRIPTION = Tank using an internal floating roof (IFR)
RSET088	STORAGE TANKS/VESSELS	N/A	60Kb-33	40 CFR Part 60, Subpart Kb	STORAGE VESSEL DESCRIPT = Fixed roof with an internal floating roof using a mechanical shoe seal
RSET088	STORAGE TANKS/VESSELS	N/A	60Kb-36	40 CFR Part 60, Subpart Kb	STORAGE VESSEL DESCRIPT = Closed vent system (CVS) with a flare used as the control device (fixed roof)
RSET088	STORAGE TANKS/VESSELS	N/A	61FF-T02a	40 CFR Part 61, Subpart FF	TANK CONTROL REQUIREMENTS = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device., FUEL GAS SYSTEM = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system., ALT STANDARDS FOR TANKS = The tank is not complying with the alternative standards in 40 CFR § 61.351., ALT MEANS OF COMPLIANCE = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks., COVER & CLOSED VENT = The cover and closed vent system are not operated



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3)., BY-PASS LINE = The closed vent system contains any by-pass line that could divert the vent stream away from the control device., BY-PASS LINE VALVE = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position., CONTROL DEV TYPE/OPNS = Flare
RSET088	STORAGE TANKS/VESSELS	N/A	61FF-T04a	40 CFR Part 61, Subpart FF	KB TANK TYPE = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1), SEAL TYPE = Mechanical shoe seal, ALT STANDARDS FOR TANKS = The tank is complying with the alternative standards in 40 CFR § 61.351.
RSET088	STORAGE TANKS/VESSELS	N/A	63YY-T	40 CFR Part 63, Subpart YY	No changing attributes.
PROA3WW	TREATMENT PROCESS	N/A	61FFTP-WW1a	40 CFR Part 61, Subpart FF	No changing attributes.
A3GLOWS	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-001	30 TAC Chapter 115, Water Separation	No changing attributes.

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
A3HA35	EU	R7ICI-606	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a)(1) § 117.110(a) § 117.110(b) § 117.110(b)(2) § 117.130(d) § 117.130(d)(1) § 117.140(k)	No person shall allow the discharge into the atmosphere from any gas-fired boilers with a maximum rated capacity equal to or greater than 40 MMBtu emissions of NO <sub>x</sub> in excess of 0.10 lb/MMBtu of heat input.	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c)
UEHK10	EU	R7ICI-607	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a)(1) § 117.110(a) § 117.110(b) [G]§ 117.110(b)(1) § 117.130(d) § 117.130(d)(1) § 117.140(k)	No person shall allow the discharge into the atmosphere from any gas-fired boilers with a maximum rated capacity equal to or greater than 40 MMBtu emissions of NO <sub>x</sub> in excess of 0.10 lb/MMBtu of heat input.	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(1) § 117.135(g) § 117.140(a)(2)(A) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e)	§ 117.145(a) § 117.145(f) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5)
UEHK10	EU	60Db-005	SO <sub>2</sub>	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
UEHK10	EU	60Db-005	NO <sub>x</sub>	40 CFR Part 60, Subpart Db	§ 60.44b	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR 60, Subpart Db	None	None	None
UEHK10	EU	60Db-005	PM	40 CFR Part 60,	§ 60.40b(a)	This subpart applies to each	None	[G]§ 60.49b(d)	§ 60.49b(a)

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
				Subpart Db		steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).		§ 60.49b(o)	§ 60.49b(a)(1) § 60.49b(a)(3)
UEHK10	EU	60Db-005	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
UEHK11	EU	60Db-002x	SO <sub>2</sub>	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
UEHK11	EU	60Db-002x	NOX	40 CFR Part 60, Subpart Db	§ 60.44b	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR 60, Subpart Db	None	None	None
UEHK11	EU	60Db-002x	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
UEHK11	EU	60Db-002x	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
UEHK9	EU	R7ICI-607	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a)(1) § 117.110(a) § 117.110(b) [G]§ 117.110(b)(1) § 117.130(d) § 117.130(d)(1) § 117.140(k)	No person shall allow the discharge into the atmosphere from any gas-fired boilers with a maximum rated capacity equal to or greater than 40 MMBtu emissions of NO <sub>x</sub> in excess of 0.10 lb/MMBtu of heat input.	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(1) § 117.135(g) § 117.140(a)(2)(A) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e)	§ 117.145(a) § 117.145(f) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5)
UEHK9	EU	60Db-005	SO <sub>2</sub>	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
UEHK9	EU	60Db-005	NOX	40 CFR Part 60, Subpart Db	§ 60.44b	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR 60, Subpart Db	None	None	None
UEHK9	EU	60Db-005	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).			§ 60.49b(a)(3)
UEHK9	EU	60Db-005	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
PRORSHON	PRO	63F-002	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.100(b) [G]§ 63.102(a) [G]§ 63.102(c) § 63.105(d)	Except as provided in paragraphs (b)(4) and (c) of this section, the provisions of subparts F, G, and H apply to chemical manufacturing process units that meet the criteria.	§ 63.103(b)(1) § 63.103(b)(3) § 63.103(b)(4) [G]§ 63.103(b)(5) § 63.103(b)(6)	[G]§ 63.103(c) [G]§ 63.105(b) § 63.105(c) § 63.105(e)	§ 63.103(b)(2) [G]§ 63.103(b)(5) [G]§ 63.103(d)
A3WASTE	EU	63YY-W	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
A3FA3103	EP	60NNN-047	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process	§ 60.663(c) § 60.664(a) § 60.664(b) § 60.664(b)(1) § 60.664(b)(2) § 60.664(b)(3) [G]§ 60.664(b)(4)	§ 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.703(c)(1) § 60.703(c)(1)(i)	§ 60.665(a) § 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.665(k)

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						heater.	§ 60.703(c)(1) § 60.703(c)(1)(i) § 60.703(c)(1)(ii) § 60.703(c)(2)	§ 60.703(c)(1)(ii) § 60.703(c)(2) § 60.705(d)(1) § 60.705(d)(2)	§ 60.665(l) § 60.665(l)(1) § 60.705(l)(2) § 60.705(l)(7)
A3FA3103	EP	60NNN-048	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(c) § 60.663(c)(2) § 60.664(c) § 60.703(c)(1) § 60.703(c)(1)(i) § 60.703(c)(1)(ii)	§ 60.663(c)(2) § 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.703(c)(1) § 60.703(c)(1)(i) § 60.703(c)(1)(ii) § 60.705(d)(1) § 60.705(d)(2)	§ 60.665(a) § 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.705(l)(2) § 60.705(l)(7)
A3FA3103	EP	R5121-3	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(2) § 115.122(a)(2) § 115.122(a)(2)(B)	No person may allow a vent gas stream to be emitted from the processes specified in §115.121(a)(2)(A)-(E), unless the vent gas stream is controlled properly in accordance with §115.122(a)(2).	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
A3FA3205A	EP	R5121-6	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
A3FA3205B	EP	R5121-6	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
A3FA357	EP	R5121-6	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
A3FO11	EP	R5121-6	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
UER037	EU	R1111-002	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.11(a).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
UER037	CD	60A-003	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
UER044	EU	R1111-002	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.11(a).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
UER044	CD	60A-003	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1)	None	None

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)		§ 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)		
UER046	EU	R1111-002	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.11(a).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
UER046	CD	60A-003	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115,	§ 115.352(1)(A)	No pressure relief valves	§ 115.354(1)	§ 115.352(7)	[G]§ 115.354(7)



## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
				Pet. Refinery & Petrochemicals	§ 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	(gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	None

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 115.357(12)		§ 115.357(1)	§ 115.356(4)	
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						the requirements of this division except §115.356(3)(C) of this title.			
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
A3FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.			
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-2(a)-(f).	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-3 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Compressors shall comply with the requirements outlined in § 60.482-3(a)-(j).	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1	Valves in gas/vapor service and in light liquid service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)



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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					[G]§ 60.483-2		[G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j)	
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2) [G]§ 60.482-9	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background.	§ 60.482-4(b)(1) § 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in light-liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
A3FUG	EU	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-1(e)	Equipment that is in vacuum service is excluded from the requirements of §61.242-2 to §61.242-11, if it is identified as required in §61.246(e)(5).	None	[G]§ 61.246(e)	None
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-2 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pumps. §61.242-2(a)-(g)	[G]§ 61.242-2 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-3 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for compressors. §61.242-3(a)-(i)	[G]§ 61.242-3 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-4 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in gas/vapor service. §61.242-4(a)-(c)	[G]§ 61.242-4 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-5 § 61.242-1(a) § 61.242-1(b)	Comply with standards for sampling connection systems. §61.242-5(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 61.242-1(d) [G]§ 61.242-10			§ 61.246(j)	[G]§ 61.247(e)
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-6 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for open-ended valves or lines. §61.242-6(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-7 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.243-1 [G]§ 61.243-2	Comply with standards for valves. §61.242-7(a)-(h)	[G]§ 61.242-7 [G]§ 61.243-1 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(f) [G]§ 61.246(g) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) § 61.247(d) [G]§ 61.247(e)
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in liquid service. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-9 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d)	Each product accumulator vessel shall be equipped with a closed-vent system to capture and transport any leakage from the vessel to a control device as in §61.242-11, except in §61.242-1(c).	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
A3FUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for flanges and other connectors. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
A3FUG	EU	63YY-F	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the	The permit holder shall comply with the applicable requirements of 40 CFR Part	The permit holder shall comply with the applicable monitoring	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 40

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	63, Subpart YY	and testing requirements of 40 CFR Part 63, Subpart YY	requirements of 40 CFR Part 63, Subpart YY	CFR Part 63, Subpart YY
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery &	§ 115.352(1)(A) § 115.352(1)	No pressure relief valves (gaseous service), contacting	§ 115.354(1) § 115.354(10)	§ 115.352(7) § 115.354(10)	[G]§ 115.354(7)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
				Petrochemicals	§ 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.			
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115,	§ 115.352(1)(B)	No compressor seal,	§ 115.354(1)	§ 115.352(7)	None



## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
				Pet. Refinery & Petrochemicals	§ 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak,	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1)	None

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	for more than 15 days after discovery, exceeding the specified VOC concentration.		[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
RSETFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-1(e)	Equipment that is in vacuum service is excluded from the requirements of §61.242-2 to §61.242-11, if it is identified as required in §61.246(e)(5).	None	[G]§ 61.246(e)	None
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61,	[G]§ 61.242-2	Comply with standards for	[G]§ 61.242-2	[G]§ 61.246(a)	[G]§ 61.247(a)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
				Subpart V	§ 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	pumps. §61.242-2(a)-(g)	[G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-3 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for compressors. §61.242-3(a)-(i)	[G]§ 61.242-3 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-4 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in gas/vapor service. §61.242-4(a)-(c)	[G]§ 61.242-4 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-5 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for sampling connection systems. §61.242-5(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-6 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for open-ended valves or lines. §61.242-6(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-7 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.243-1 [G]§ 61.243-2	Comply with standards for valves. §61.242-7(a)-(h)	[G]§ 61.242-7 [G]§ 61.243-1 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(f) [G]§ 61.246(g) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) § 61.247(d) [G]§ 61.247(e)
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61,	[G]§ 61.242-8	Comply with standards for	[G]§ 61.242-8	[G]§ 61.246(a)	[G]§ 61.247(a)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
				Subpart V	§ 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	pressure relief devices in liquid service. § 61.242-8(a)-(d)	[G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-9 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d)	Each product accumulator vessel shall be equipped with a closed-vent system to capture and transport any leakage from the vessel to a control device as in §61.242-11, except in §61.242-1(c).	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
RSETFUG	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for flanges and other connectors. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.162(e) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).	[G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.181(j)	[G]§ 63.182(a) [G]§ 63.182(b)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.165 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					[G]§ 63.171				[G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Sampling connection systems. §63.166(a)-(c)	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b)	§ 63.181(a) [G]§ 63.181(b)	[G]§ 63.182(a) [G]§ 63.182(b)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171		[G]§ 63.180(d)	§ 63.181(c) [G]§ 63.181(d)	§ 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Surge control vessels and bottom receivers.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.173 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).	[G]§ 63.173 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g)	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 63.162(h) [G]§ 63.171 [G]§ 63.176			[G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
RSETFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
CT-1	EU	63YY-H	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY



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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
CT-4	EU	63YY-H	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
RSELRTRK W	EU	R5211-00c	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(1) § 115.212(a)(1)(B) § 115.212(a)(3)(A) § 115.212(a)(3)(A)(ii) § 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(3)(E) § 115.214(a)(1)(B) § 115.214(a)(1)(C)	At operations other than gasoline terminals, gasoline bulk plants, and marine terminals, vapors of VOC with a true vapor pressure of 0.5 psia or greater, must be controlled by one of the following methods.	§ 115.212(a)(3)(B) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(A)(ii) § 115.214(a)(1)(A)(iii) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9)	§ 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	None
RSELRTRK W	EU	R5211-018	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
RSELRTRK W	EU	63GL-0g2a	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.126(c)	For each Group 2 transfer rack, maintain records as required in § 63.130(f). No other provisions for transfer racks apply to the Group 2 transfer rack.	None	§ 63.130(f) § 63.130(f)(1) § 63.130(f)(2) § 63.130(f)(3) § 63.130(f)(3)(i) § 63.130(f)(3)(ii)	§ 63.152(c)(4)(iii)
RSELRTRK W	EU	63YY-L	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the	The permit holder shall comply with the applicable requirements of 40 CFR Part	The permit holder shall comply with the applicable monitoring	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 40

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	63, Subpart YY	and testing requirements of 40 CFR Part 63, Subpart YY	requirements of 40 CFR Part 63, Subpart YY	CFR Part 63, Subpart YY
RSELRVNTTW	EU	R5211-018	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
GRPA3PH1	EU	R7ICI-503	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a)(2) § 117.110(a) § 117.110(b) § 117.110(b)(2) § 117.130(d) § 117.140(k)	No person shall allow the discharge into the atmosphere from any gas-fired process heaters with a maximum rated capacity equal to or greater than 40 MMBtu emissions of NO <sub>x</sub> in excess of 0.08 lb/MMBtu of heat input.	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c)
GRPA3PH1	EU	R7ICI-503	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c)
A3CA31A	EU	R7ICI1101X	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.105(a)(1) § 117.105(a) [G]§ 117.105(a)(2) § 117.130(a) § 117.130(d) § 117.130(d)(4)	For purposes of this subchapter, the permit nitrogen oxides emission limit in effect on June 9, 1993, under a permit issued in accordance with Chapter 116	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(4) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 117.140(k) § 117.140(l)	of this title applies if lower than specifications of § 117.150(b)-(d).	§ 117.140(a) [G]§ 117.140(h)(2)		§ 117.145(d)(1)(A) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5)
A3CA31A	EU	R7ICI1101 X	CO	30 TAC Chapter 117, Subchapter B	§ 117.105(c) § 117.105(a) § 117.130(a) § 117.140(k)	No person shall allow the discharge into the atmosphere from any stationary gas turbine with a megawatt (MW) rating greater than or equal to 10.0 MW, emissions in excess of a block one-hour average concentration of 132 ppmv carbon monoxide (CO) at 15% oxygen, dry basis. For stationary gas turbines equipped with CEMS or PEMS for CO, the owner or operator may elect to comply with the CO specification of this subsection using a 24-hour rolling average.	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) [G]§ 117.140(h)(2)	§ 117.145(a) § 117.145(f) [G]§ 117.145(f)(4) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(1)(A) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5)
A3CA31A	EU	60GG-005Y	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
CG1	EU	R7ICI1102 X	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.105(c) § 117.105(a) § 117.130(a) § 117.130(d) § 117.140(k) § 117.140(l)	No person shall allow the discharge into the atmosphere from any stationary gas turbine with a MW rating greater than or equal to 10.0 MW, emissions in excess of a block one-hour average concentration of 42 ppmv NO <sub>x</sub> at 15% oxygen, dry basis.	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(g) § 117.140(a)(2)(A) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e)	§ 117.145(a) § 117.145(f) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5)

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ID No.	Type			Name	Citation				
CG1	EU	60GG-006	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
CG2	EU	R7IC11102 X	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.105(c) § 117.105(a) § 117.130(a) § 117.130(d) § 117.140(k) § 117.140(l)	No person shall allow the discharge into the atmosphere from any stationary gas turbine with a MW rating greater than or equal to 10.0 MW, emissions in excess of a block one-hour average concentration of 42 ppmv NO <sub>x</sub> at 15% oxygen, dry basis.	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(g) § 117.140(a)(2)(A) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e)	§ 117.145(a) § 117.145(f) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5)
CG2	EU	60GG-006	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
A3TA339	EU	R5112-005	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
RSET010	EU	R5112-062	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
RSET010	EU	63GT-036	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(2) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	(a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.148(b)(2)(iii) [G]§ 63.148(c) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.148(i)(1) § 63.148(i)(2) [G]§ 63.148(i)(4) § 63.148(i)(5) [G]§ 63.152(a)	§ 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
RSET0126	EU	R5112-052	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
RSET0126	EU	R5112-055	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
RSET0126	EU	61FF-T02a	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	vapors vented from the tank to a control device.	§ 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	
RSET0126	EU	61FF-T03a	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	None
RSET0126	EU	63YY-T	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
RSET0127	EU	R5112-052	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(4) § 115.116(a)(5)	None

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						equipped with the appropriate control device specified in Table I(a) or Table II(a).	** See Periodic Monitoring Summary		
RSET0127	EU	61FF-T02a	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
RSET0127	EU	63YY-T	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
RSET0180	EU	R5112-062	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
RSET0180	EU	63GT-036	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(2) § 63.119(e)(1)	The owner or operator who elects to use a closed vent system and control device	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	(defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(2)(iii) [G]§ 63.148(c) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) [G]§ 63.148(i)(4) § 63.148(i)(5) [G]§ 63.152(a)	[G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
RSET0204	EU	R5112-062	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
RSET0204	EU	63GT-036	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(2) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(2)(iii) [G]§ 63.148(c) § 63.148(g) § 63.148(g)(2)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) [G]§ 63.148(i)(4) § 63.148(i)(5)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b)



## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
							§ 63.148(h) § 63.148(h)(2)	[G]§ 63.152(a)	§ 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
RSET030	EU	R5112-062	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
RSET030	EU	63GT-036	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(2) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(2)(iii) [G]§ 63.148(c) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) [G]§ 63.148(i)(4) § 63.148(i)(5) [G]§ 63.152(a)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
									[G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
RSET087	EU	R5112-052	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
RSET087	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) [G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(2) § 115.116(a)(4) § 115.116(a)(5)	§ 115.114(a)(1)
RSET087	EU	60Kb-33	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
RSET087	EU	60Kb-36	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3) § 60.18	Storage vessels specified in §60.112b(a) and equipped	§ 60.113b(d) § 60.116b(a)	§ 60.115b § 60.115b(d)(2)	§ 60.115b § 60.115b(d)(1)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	§ 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b)	§ 60.116b(a) § 60.116b(b)	§ 60.115b(d)(3)
RSET087	EU	61FF-T02a	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
RSET087	EU	61FF-T04a	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
RSET087	EU	63YY-T	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					equipment specification requirements of 40 CFR Part 63, Subpart YY		CFR Part 63, Subpart YY		
RSET088	EU	R5112-052	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
RSET088	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) [G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(2) § 115.116(a)(4) § 115.116(a)(5)	§ 115.114(a)(1)
RSET088	EU	60Kb-33	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
RSET088	EU	60Kb-36	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3) § 60.18	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b)	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(d)(3)
RSET088	EU	61FF-T02a	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18	The owner or operator shall install, operate, and maintain	§ 60.18(f)(2) § 61.343(a)(1)(i)(A)	§ 61.349(a)(1)(ii) § 61.354(c)	§ 61.357(d)(7) § 61.357(d)(7)(iv)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7)(iv)(F)
RSET088	EU	61FF-T04a	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
RSET088	EU	63YY-T	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
PROA3WW	PRO	61FFTP-WW1a	BENZENE	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(i)	The owner or operator shall design, install, operate and	§ 61.348(e)(1) § 61.348(f)	§ 61.349(a)(1)(ii) § 61.354(a)(2)	§ 61.357(d)(7) § 61.357(d)(7)(ii)

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(B) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	maintain a treatment process that removes or destroys benzene as specified.	§ 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(2)(i)(B) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(c) § 61.354(c)(4) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.354(c) § 61.354(c)(4) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(e) § 61.356(e)(1) § 61.356(e)(2) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(6)	§ 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(C)
A3GLOWS	EU	R5131-001	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None

**Additional Monitoring Requirements**

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## Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: A3FA3103	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-3
Pollutant: VOC	Main Standard: § 115.121(a)(2)
MONITORING INFORMATION	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
Periodic Monitoring Text: Measure and record fugitive emissions from the vapor collection system in accordance with part 60, appendix A, method 21.	



### Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: A3FA3103	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-3
Pollutant: VOC	Main Standard: § 115.121(a)(2)
MONITORING INFORMATION	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to visually inspect all components of the vapor collection system and any defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices that could result in air emissions.	
Periodic Monitoring Text: Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	

### Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: A3FA3205A	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.121(a)(1)
MONITORING INFORMATION	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
Periodic Monitoring Text: Measure and record fugitive emissions from the vapor collection system in accordance with part 60, appendix A, method 21.	

### Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: A3FA3205A	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.121(a)(1)
MONITORING INFORMATION	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to visually inspect all components of the vapor collection system and any defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	
Periodic Monitoring Text: Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	

## Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: A3FA3205B	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.121(a)(1)
MONITORING INFORMATION	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
Periodic Monitoring Text: Measure and record fugitive emissions from the vapor collection system in accordance with part 60, appendix A, method 21.	

### Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: A3FA3205B	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.121(a)(1)
MONITORING INFORMATION	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to visually inspect all components of the vapor collection system and any defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	
Periodic Monitoring Text: Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: A3FA357	
Control Device ID No.: N/A	Control Device Type: N/A
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.121(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
Periodic Monitoring Text: Measure and record fugitive emissions from the vapor collection system in accordance with part 60, appendix A, method 21.	

### Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: A3FA357	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.121(a)(1)
MONITORING INFORMATION	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to visually inspect all components of the vapor collection system and any defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	
Periodic Monitoring Text: Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	

## Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: A3FO11	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.121(a)(1)
MONITORING INFORMATION	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
Periodic Monitoring Text: Measure and record fugitive emissions from the vapor collection system in accordance with part 60, appendix A, method 21.	



## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: A3FO11	
Control Device ID No.: N/A	Control Device Type: N/A
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.121(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	
Periodic Monitoring Text: Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: A3TA339	
Control Device ID No.: N/A	Control Device Type: N/A
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-005
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Records are not kept.	
<p>Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.</p>	

## Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: A3TA339	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-005
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Fill pipe repairs not completed prior to refilling storage vessel.	
<p>Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.</p>	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET010	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Scrubber water flow rate	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water flow rate less than 4,800 gallons per hour	
Periodic Monitoring Text: Continuously monitor and record the scrubber water flow rate. Any monitoring data collected that indicates a 1-hour period when the average scrubber water flow rate is less than 4,800 gallons per hour shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET010	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Scrubber water inlet temperature	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water inlet temperature greater than 108 deg F	
<p>Periodic Monitoring Text: Continuously monitor and record the scrubber water inlet temperature. Any monitoring data collected that indicates a 1-hour period when the average scrubber water inlet temperature is greater than 108EF shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET010	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Ethylene oxide vapor flow rate to scrubber	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Ethylene oxide vapor flow rate to scrubber greater than 1,562.4 pounds per hour	
<p>Periodic Monitoring Text: Continuously monitor and record the vapor flow rate to the scrubber at the vapor inlet line to the scrubber. Determine the ethylene oxide flow rate using the maximum ethylene oxide concentration determined during the initial demonstration of compliance testing required by Permit 29516. Any monitoring data collected that indicates a 1-hour period when the average ethylene oxide vapor flow rate to the scrubber is greater than 1,562.4 pounds per hour shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: RSET0126	
Control Device ID No.: RSET0126CAS	Control Device Type: Carbon Adsorption System (Non-Regenerative)
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-052
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: VOC concentration	
Minimum Frequency: Daily or 20% of design carbon replacement interval	
Averaging Period: N/A	
Deviation Limit: Canister not replaced within 4 hours of breakthrough	
<p>Periodic Monitoring Text: The carbon adsorption system (CAS) shall be sampled and recorded either daily or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is the greater interval, to determine breakthrough of VOC. Measure and record the VOC concentration using a photo-ionization detector (PID) or TCEQ-approved equivalent to monitor VOC concentration at the outlet of the initial canister but before the inlet to the final canister of the CAS. On each day that sampling is required, the PID shall be calibrated prior to sampling with a certified gas mixture at 0 parts per million by volume (ppmv) + 10 percent and at 500 ppmv + 10 percent. Records of the CAS monitoring maintained at the plant site shall include, but will not be limited to, sample time and date, monitoring results (ppmv), and corrective action taken including the time and date of that action. Breakthrough shall be defined as a measured VOC concentration of 100 ppmv. When the condition of the breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister or a standby series of canisters immediately. Within four hours of detection of breakthrough, a fresh canister shall be placed as the new final polishing canister. Sufficient new activated carbon canisters shall be maintained at the site to replace spent carbon canisters such that replacements can be done in the above specified time frames. If the canister is not replaced within 4 hours and the event not recorded, it shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET0126	
Control Device ID No.: RSET0126CAS	Control Device Type: Carbon Adsorption System (Non-Regenerative)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-055
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: VOC concentration	
Minimum Frequency: Daily or 20% of design carbon replacement interval	
Averaging Period: N/A	
Deviation Limit: Canister not replaced within 4 hours of breakthrough	
<p>Periodic Monitoring Text: The carbon adsorption system (CAS) shall be sampled and recorded either daily or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is the greater interval, to determine breakthrough of VOC. Measure and record the VOC concentration using a photo-ionization detector (PID) or TCEQ-approved equivalent to monitor VOC concentration at the outlet of the initial canister but before the inlet to the final canister of the CAS. On each day that sampling is required, the PID shall be calibrated prior to sampling with a certified gas mixture at 0 parts per million by volume (ppmv) + 10 percent and at 500 ppmv + 10 percent. Records of the CAS monitoring maintained at the plant site shall include, but will not be limited to, sample time and date, monitoring results (ppmv), and corrective action taken including the time and date of that action. Breakthrough shall be defined as a measured VOC concentration of 100 ppmv. When the condition of the breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister or a standby series of canisters immediately. Within four hours of detection of breakthrough, a fresh canister shall be placed as the new final polishing canister. Sufficient new activated carbon canisters shall be maintained at the site to replace spent carbon canisters such that replacements can be done in the above specified time frames. If the canister is not replaced within 4 hours and the event not recorded, it shall be considered and reported as a deviation.</p>	



### Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: RSET0127	
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-052
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to perform monitoring in the required period.	
Periodic Monitoring Text: Measure and record fugitive emissions from the vapor collection system in accordance with part 60, appendix A, method 21.	

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET0127	
Control Device ID No.: N/A	Control Device Type: N/A
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-052
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to perform inspection in the required period.	
Periodic Monitoring Text: Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET0180	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Scrubber water flow rate	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water flow rate less than 4,800 gallons per hour	
Periodic Monitoring Text: Continuously monitor and record the scrubber water flow rate. Any monitoring data collected that indicates a 1-hour period when the average scrubber water flow rate is less than 4,800 gallons per hour shall be considered and reported as a deviation.	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET0180	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Ethylene oxide vapor flow rate to scrubber	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Ethylene oxide vapor flow rate to scrubber greater than 1,562.4 pounds per hour	
<p>Periodic Monitoring Text: Continuously monitor and record the vapor flow rate to the scrubber at the vapor inlet line to the scrubber. Determine the ethylene oxide flow rate using the maximum ethylene oxide concentration determined during the initial demonstration of compliance testing required by Permit 29516. Any monitoring data collected that indicates a 1-hour period when the average ethylene oxide vapor flow rate to the scrubber is greater than 1,562.4 pounds per hour shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET0180	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Scrubber water inlet temperature	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water inlet temperature greater than 108 deg F	
<p>Periodic Monitoring Text: Continuously monitor and record the scrubber water inlet temperature. Any monitoring data collected that indicates a 1-hour period when the average scrubber water inlet temperature is greater than 108EF shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET0204	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Scrubber water flow rate	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water flow rate less than 4,800 gallons per hour	
Periodic Monitoring Text: Continuously monitor and record the scrubber water flow rate. Any monitoring data collected that indicates a 1-hour period when the average scrubber water flow rate is less than 4,800 gallons per hour shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET0204	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Scrubber water inlet temperature	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water inlet temperature greater than 108EF	
<p>Periodic Monitoring Text: Continuously monitor and record the scrubber water inlet temperature. Any monitoring data collected that indicates a 1-hour period when the average scrubber water inlet temperature is greater than 108EF shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET0204	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Ethylene oxide vapor flow rate to scrubber	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Ethylene oxide vapor flow rate to scrubber greater than 1,562.4 pounds per hour	
<p>Periodic Monitoring Text: Continuously monitor and record the vapor flow rate to the scrubber at the vapor inlet line to the scrubber. Determine the ethylene oxide flow rate using the maximum ethylene oxide concentration determined during the initial demonstration of compliance testing required by Permit 29516. Any monitoring data collected that indicates a 1-hour period when the average ethylene oxide vapor flow rate to the scrubber is greater than 1,562.4 pounds per hour shall be considered and reported as a deviation.</p>	



### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET030	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Scrubber water flow rate	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water flow rate less than 4,800 gallons per hour	
Periodic Monitoring Text: Continuously monitor and record the scrubber water flow rate. Any monitoring data collected that indicates a 1-hour period when the average scrubber water flow rate is less than 4,800 gallons per hour shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: RSET030	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Scrubber water inlet temperature	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water inlet temperature greater than 108 deg F	
Periodic Monitoring Text: Continuously monitor and record the scrubber water inlet temperature. Any monitoring data collected that indicates a 1-hour period when the average scrubber water inlet temperature is greater than 108EF shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: RSET030	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (Direct Absorption)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Ethylene oxide vapor flow rate to scrubber	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Ethylene oxide vapor flow rate to scrubber greater than 1,562.4 pounds per hour	
<p>Periodic Monitoring Text: Continuously monitor and record the vapor flow rate to the scrubber at the vapor inlet line to the scrubber. Determine the ethylene oxide flow rate using the maximum ethylene oxide concentration determined during the initial demonstration of compliance testing required by Permit 29516. Any monitoring data collected that indicates a 1-hour period when the average ethylene oxide vapor flow rate to the scrubber is greater than 1,562.4 pounds per hour shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: RSET087	
Control Device ID No.: UER044	Control Device Type: Flare
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-052
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of flare pilot flame.	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: RSET088	
Control Device ID No.: UER046	Control Device Type: Flare
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-052
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of flare pilot flame.	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

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### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
A3HA35	N/A	40 CFR Part 60, Subpart Db	Boiler was constructed before 6/19/84 and has not been modified later than 6/19/84.
UER037	N/A	40 CFR Part 63, Subpart A	Flare is not used to comply with applicable subparts of part 63.
UER044	N/A	40 CFR Part 63, Subpart A	Flare is not used to comply with applicable subparts of part 63.
UER046	N/A	40 CFR Part 63, Subpart A	Flare is not used to comply with applicable subparts of part 63.
RSETFUG	N/A	40 CFR Part 60, Subpart VV	For fugitive components, Huntsman has elected to comply with the requirements of 40 CFR 63, Subpart H, and not the requirements of 40 CFR 60, Subpart VV.
CT-1	N/A	40 CFR Part 63, Subpart Q	Cooling lower is not operated with chromium-based water treatment chemicals.
CT-4	N/A	40 CFR Part 63, Subpart Q	Cooling lower is not operated with chromium-based water treatment chemicals.
RSELRTRKW	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63, Subpart F - transfer rack is not a HON Group 1 or Group 2 transfer rack.
RSELRVNTTW	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F-transfer rack is not a HON Group 1 or Group 2 transfer

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			rack.
0674	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
0674	N/A	40 CFR Part 60, Subpart Kb	Tank stores VOC (but not petroleum or petroleum liquids), but was constructed before 7/23/84 and has not been modified later than 7/23/84.
0674	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
961009	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
961009	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
961009	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
970183	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
970183	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
970183	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
CT-10	N/A	40 CFR Part 63, Subpart Q	Cooling lower is not operated with chromium-



### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			based water treatment chemicals.
MCST-1	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
MCST-1	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
MCST-1	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
MCST-2	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
MCST-2	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
MCST-2	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
P-T-39	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel is located at a motor vehicle fuel dispensing facility and has capacity less than 25,000 gallons.
P-T-39	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
P-T-39	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
GRPA3PH1	A3HA31A, A3HA31B,	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	A3HA31C, A3HA31D, A3HA31E, A3HA31F, A3HA31G, A3HA31H, A3HA31J		and has not been modified later than 6/29/90.
A3FA3215	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
A3FA3215	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
A3TA329	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is greater than 75 cubic meters (19,813 gal) but less than 151 cubic meters (39,890 gal) and maximum true vapor pressure of the liquid stored is less than 15.0 kPa (2.2 psia).
A3TA329	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
A3TA339	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
A3TA339	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
A3TA346	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
A3TA346	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
FDU-1	N/A	40 CFR Part 60, Subpart Kb	Tank stores VOC (but not petroleum or petroleum liquids), but was constructed before 7/23/84 and has not been modified later than 7/23/84.
FDU-1	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
GRPUTTK1	880789, 961010, MCST-3, R-CC-4T, R-S-42T, R-S-53T, T-L-797455	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
GRPUTTK1	880789, 961010, MCST-3, R-CC-4T, R-S-42T, R-S-53T, T-L-797455	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
RSET010	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 or Group 2 storage vessel, tank is required to comply only with the provisions of HON.
RSET0126	N/A	40 CFR Part 60, Subpart Kb	Tank stores VOC (but not petroleum or petroleum liquids), but was constructed before 7/23/84 and has not been modified later than 7/23/84.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
RSET0126	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
RSET0127	N/A	40 CFR Part 60, Subpart Kb	Tank stores VOC (but not petroleum or petroleum liquids), but was constructed before 7/23/84 and has not been modified later than 7/23/84.
RSET0127	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63, Subpart F - tank is not a HON GROUP 1 or GROUP 2 storage vessel
RSET0180	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 or Group 2 storage vessel, tank is required to comply only with the provisions of HON.
RSET0204	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 or Group 2 storage vessel, tank is required to comply only with the provisions of HON.
RSET030	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 or Group 2 storage vessel, tank is required to comply only with the provisions of HON.
RSET039	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is greater than 151 cubic meters (39,890 gallons) and maximum true vapor pressure of the liquid stored is less than 3.5kPa (0.5 psia).

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
RSET039	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
RSET040	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is greater than 151 cubic meters (39,890 gallons) and maximum true vapor pressure of the liquid stored is less than 3.5kPa (0.5 psia).
RSET040	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
RSET087	N/A	30 TAC Chapter 115, Water Separation	Vessel is primarily a storage tank. As such, it complies with 30 TAC 115 storage vessel provisions and not 30 TAC 115 VOC water separator provisions.
RSET087	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.
RSET088	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subject F-tank is not a HON Group 1 or Group 2 storage vessel.
RSETQ142	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
RSETQ142	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F-tank is not a HON Group 1 or Group 2 storage vessel.

**New Source Review Authorization References**

<b>New Source Review Authorization References .....</b>	<b>118</b>
<b>New Source Review Authorization References by Emission Unit.....</b>	<b>120</b>

## New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSD-TX-780	Issuance Date: 07/11/2014
<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 16909	Issuance Date: 07/11/2014
Authorization No.: 29516	Issuance Date: 02/22/2006
Authorization No.: 19823	Issuance Date: 08/15/2008
Authorization No.: 49247	Issuance Date: 10/03/2012
Authorization No.: 56390	Issuance Date: 05/13/2014
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 005	Version No./Date: 09/23/1982
Number: 005	Version No./Date: 03/15/1985
Number: 005	Version No./Date: 11/05/1986
Number: 005	Version No./Date: 08/30/1988
Number: 005	Version No./Date: 07/20/1992
Number: 005	Version No./Date: 10/04/1995
Number: 014	Version No./Date: 01/08/1980
Number: 014	Version No./Date: 09/12/1989
Number: 051	Version No./Date: 11/05/1986
Number: 051	Version No./Date: 08/30/1988
Number: 051	Version No./Date: 07/20/1992
Number: 051	Version No./Date: 06/07/1996
Number: 058	Version No./Date: 01/08/1980
Number: 080	Version No./Date: 01/08/1980
Number: 086	Version No./Date: 07/20/1992
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 09/04/2000

### **New Source Review Authorization References**

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.355	Version No./Date: 11/01/2001
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 03/14/1997



### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
0674	COOLING TOWER 4GREY METAL SLIMICIDE TANK	106.478/03/14/1997
880789	YELLOW FIBERGLASS BALANCED POLYMER TANK	051/11/05/1986
961009	BOILER HOUSE WHITE STEEL STEAMATE TANK	086/07/20/1992
961010	BOILER HOUSE WHITE STEEL STEAMATE TANK	086/07/20/1992
970183	COOLING TOWER 4 YELLOW FIBERGLASS DIANODIC TANK	051/11/05/1986
A3CA31A	TURBINE C-A3-1	19823
A3FA3103	DEMETHANIZER	19823
A3FA3205A	WASTEWATER STRIPPER	19823
A3FA3205B	WASTEWATER STRIPPER	19823
A3FA3215	DMDS TANK	19823
A3FA357	FUEL GAS MIXING DRUM	19823
A3FO11	F-O-11 COALESCER	19823
A3FUG	FUGITIVES	19823
A3GLOWS	A3 GROUND LEVEL OIL/WATER SEPARATOR	19823
A3HA31A	CRACKING HEATER	19823
A3HA31B	CRACKING HEATER	19823
A3HA31C	CRACKING HEATER	19823
A3HA31D	CRACKING HEATER	19823

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
A3HA31E	CRACKING HEATER	19823
A3HA31F	CRACKING HEATER	19823
A3HA31G	CRACKING HEATER	19823
A3HA31H	CRACKING HEATER	19823
A3HA31J	CRACKING HEATER	19823
A3HA32	HEATER H-A3--2	19823
A3HA33	HEATER H -A3-3	19823
A3HA34	HEATER H-A3-4	19823
A3HA35	WASTE HEAT BOILER	19823
A3TA329	TANK T-A3-29	19823
A3TA339	TANK T-A3-39	19823
A3TA346	TAR SETTLING TANK	19823
A3WASTE	A3 WASTE STREAMS	19823
CG1	37 MEGAWATT GE FRAME 6 GAS TURBINE	16909, PSD-TX-780
CG2	37 MEGAWATT GE FRAME 6 GAS TURBINE	16909, PSD-TX-780
CT-10	COOLING TOWER NO. 10	106.371/10/04/1995
CT-1	COOLING TOWER NO. 1	19823
CT-4	COOLING TOWER NO. 4	19823

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FDU-1	DIESEL FUEL DISPENSING TANK (GREY)	014/01/08/1980
MCST-1	YELLOW FIBERGLASS TANK BY MAINTANCE SHOP	106.473/03/14/1997
MCST-2	GRAY STEEL KEROSENE TANK SOUTH OF FUEL AREA	058/01/08/1980
MCST-3	GRAY STEEL DEGREASER SOLVENT TANK	080/01/08/1980
P-Q-108	FIREWATER PUMP	005/01/11/1985
PROA3WW	A3 WASTEWATER TREATMENT PROCESS	19823
PRORSHON	R&S HON PROCESS	29516
P-T-39	GASOLINE UST FUEL DISPENSING TANK	014/09/12/1989
PU-10	UTILITIES FIREWATER PUMP	106.511/03/14/1997
PU-11	UTILITIES FIREWATER PUMP	005/09/23/1982
PU-14A	UTILITIES FIREWATER PUMP	005/10/04/1995
PU-14B	UTILITIES FIREWATER PUMP	005/10/04/1995
R-CC-4	O&O CENTRAL EMERGENCY GENERATOR	005/11/05/1986
R-CC-4T	DIESEL TANK -O&O CENTRAL EMERGENCY GENERATOR	051/11/05/1986
R-S-42T	DIESEL TANK -UTILITIES BACKUP GENERATOR	051/08/30/1988
R-S-42	UTILITIES BACKUP GENERATOR	005/08/30/1988
R-S-53	JCO ADMIN. BLDG. EMERGENCY GENERATOR	005/07/20/1992
R-S-53T	DIESEL TANK -JCO ADMIN. BLDG. EMERGENCY GEN.	051/07/20/1992

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
RSELRTRKW	ABOVE GROUND LOADING RACK	106.261/09/04/2000, 106.262/09/04/2000
RSELRVNTTW	VENT CONDENSATE T/W LOADING	106.472/09/04/2000
RSET010	TANK T-0-10 FUGITIVES	29516
RSET0126	AROMATIC DISTILLATE TANK	19823
RSET0127	AROMATIC DISTILLATE TANK	19823
RSET0180	TANK T-0-180 FUGITIVES	29516
RSET0204	TANK T-0-204	29516
RSET030	TANK T-0-30-FUGITIVES	29516
RSET039	TANK T-O-39	19823
RSET040	TANK T-O-40	19823
RSET043	TANK T-O-43	19823
RSET087	TANK T-O-87	19823
RSET088	TANK T-O-88	19823
RSETFUG	R&S FUGITIVES	29516
RSETQ142	FLUSH COLLECTION TANK	106.472/09/04/2000
T-L-797455	YELLOW FIBERGLASS ANTIFOAM TANK	106.473/03/14/1997
UEHK10	HRSG HK10	16909, PSD-TX-780
UEHK11	BOILER HK-11	16909, PSD-TX-780

### **New Source Review Authorization References by Emissions Unit**

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
UEHK9	HRSG-HK9	16909, PSD-TX-780
UER037	FLARE NO. 3	19823
UER044	FLARE NO. 1	19823
UER046	FLARE NO. 2	19823

## **APPENDIX A**

<b>Acronym List .....</b>	<b>126</b>
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## Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
COMS	continuous opacity monitoring system
CVS	closed-vent system
D/FW	Dallas/Fort Worth (nonattainment area)
DR	Designated Representative
EIP	El Paso (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
GF	grandfathered
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MMBtu/hr	Million British thermal units per hour
MRRT	monitoring, recordkeeping, reporting, and testing
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NO <sub>x</sub>	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PM	particulate matter
ppmv	parts per million by volume
PSD	prevention of significant deterioration
RO	Responsible Official
SO <sub>2</sub>	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound